

Shippers:
Show your Carriers the way to SmartWay
Save Fuel, Money, and the Environment









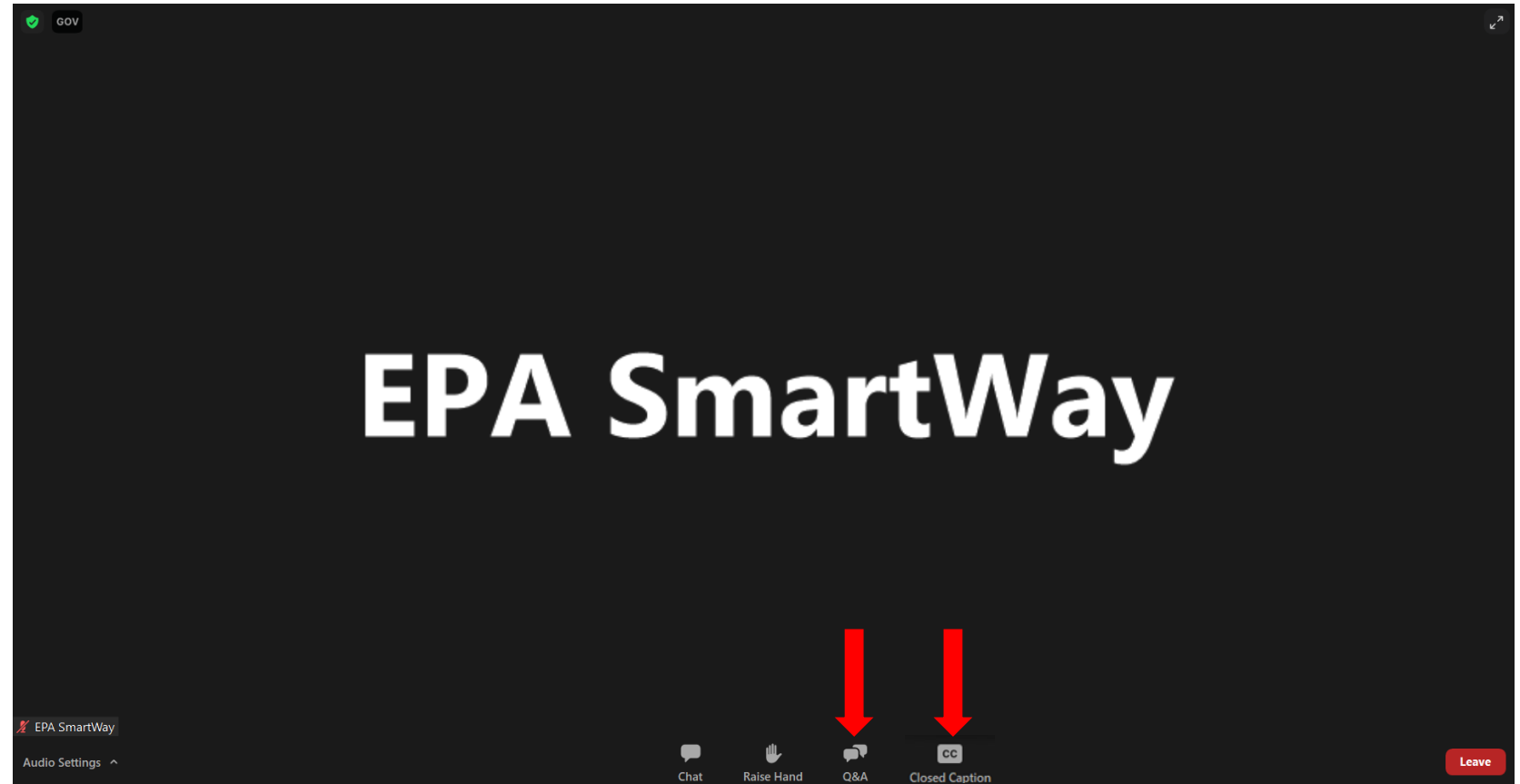
May 7, 2025



Webinar Housekeeping



-  The presentation slides will be shared after the webinar
-  Today's webinar is being recorded
-  Submit a question or comment via the Q&A pane on your Zoom control panel
-  Subtitles are available by clicking the closed captioning icon in your control panel.
-  After the presentation, as time permits, our EPA hosts and presenters will answer questions submitted via the Q&A box
-  Please complete the survey at the end of today's webinar



Learn about SmartWay



- [Overview of SmartWay](#)
- [Why Freight Matters](#)
- [Corporate Social Responsibility \(CSR\) and Freight Logistics](#)
- [SmartWay Program Successes](#)
- [Freight Sustainability Leadership](#)

Meet our Partners & Affiliates



- [Learn About Partners and Affiliates](#)
 - [Partners List](#)
 - [Affiliates List](#)
 - [Charter Partners](#)
- [SmartWay Excellence Awardees](#)
- [High Performer Lists](#)
- [SmartWay Profiles in Leadership](#)
- [Featured Partner Profiles](#)
- [Carrier Performance Rankings](#)

Participate in SmartWay



- [How to Participate in SmartWay](#)
- [How the SmartWay Partnership Works](#)
- Become a SmartWay:
 - [Shipper](#)
 - [Logistics Company](#)
 - [Carrier](#)
 - [Affiliate](#)
- [Tools & Resources for Partners & Affiliates](#)

Use the SmartWay Brand



- Learn About:
 - [The SmartWay Brand](#)
 - [Sharing Your Participation in SmartWay](#)
 - [SmartWay Verified Technologies](#)
 - [SmartWay Tractors & Trailers](#)
 - [Apply the Logo to SmartWay Tractors & Trailers](#)
 - [Partner Press Releases](#)

Search SmartWay

What are you looking for?

Search this Site

SmartWay Recent News

- [Electrification Resources for Fleets](#)
- [SmartWay Affiliate Editorial Calendar](#)
- [Launch your Freight Sustainability Strategy](#)

[More SmartWay News](#)

Webinars & Events

Upcoming Webinars:

- [3/26/25 - SmartWay 2025 Profiles in Leadership Overview Webinar](#)

[View Past Webinar Recordings.](#)

Global Collaboration & SmartWay



www.epa.gov/smartway

Shippers:
Show your Carriers the way to SmartWay
Save Fuel, Money, and the Environment



May 7, 2025



Today's Webinar



Discuss answers to 4 common questions

How do I introduce my carriers to SmartWay?

What's in it for my carriers?

What is the registration process?

How do I help them improve?

Share Resources



What is SmartWay?



🌿 Launched by freight industry leaders in 2004 as a win-win, market-based program aiming to:

- Improve U.S. freight efficiency
- Highlight freight industry efforts to reduce emissions
- Reduce dependence on foreign oil
- Provide standardized benchmarking and reporting
- Clean America's air



🌿 Adopted by Canada, piloted in Mexico and replicated around the globe





🌿 About 4000 Carriers, Shippers, 3PL's and Affiliates

- Key economic sectors and all modes
- Small business, Owner-operators, Fortune 500 firms



Resources to Share With Your Carriers to Introduce them to SmartWay



-  Website - [Resources to Introduce Your Carriers to SmartWay | US EPA](https://www.epa.gov/smartway/smartway-shipper-partner-tools-and-resources) (www.epa.gov/smartway/smartway-shipper-partner-tools-and-resources)
-  A customizable letter that a Shipper may use to reach out to their carriers and introduce SmartWay
-  Suggested options for contract language encouraging carrier participation
-  SmartWay intro Video:
<https://www.youtube.com/watch?v=s9E6l4giPlE>

Here is a Screenshot of the Letter and Contract Language



[COMPANY LETTERHEAD]

First name, Last name
Street Address
City, State, Zip

Dear First name,

[Company Name] prides itself as an industry leader by numerous m innovation and operational efficiency which keeps us competitive w needs of our customers and shareholders. The freight services yr achieve this success and we appreciate your commitment to oper However, we are also driven by the principles of corporate citize determined to be good stewards of the shared environment upo

While essential to our economy, we know that freight transpor impacts which affect public health and climate. These impac greenhouse gases and other pollutants generated in our frei freight service provider for us [Their Company Name] is par footprint. Your firm is incurring emissions to transport our f business arrangements and these emissions have impact nation and our planet. We believe we can do something t also helping our businesses (yours and ours) to become

Consistent with our commitment to corporate social re joined a voluntary effort with the Environmental Prote SmartWay Transport Partnership®. SmartWay we h shippers and their carriers, transport providers and t emissions associated with freight transport. We h closer look at our freight operations and move to t have also committed to encourage our carrier an Canada to join this important initiative.

To become a registered SmartWay Partner yo basis) on your fleet, equipment and operation environmental performance. The performan provided by SmartWay will help you to unde your peers and competitors while the progr more efficient and get recognition for your become an industry standard benchmark have not yet encouraged you to particip

To better inform you about this prograr Partnership Overview, the Business C Overview. Please review the informz To learn more and take the next step https://www.epa.gov/smartway/step



Suggested RFP Language and Response Questions

This document includes suggested options for contract language that a shipper might consider as a way to encourage carrier participation in SmartWay. Cut and paste the information that best meets your need.

Suggested RFP Specification:

Policy Statement:

As a global corporate citizen, our firm is dedicated to being the best steward of our shared environment as possible. Our freight service providers are part of our expanded carbon footprint and incur emissions when transporting our products. These emissions include greenhouse gases and other pollutants which affect the environment and public health. We believe that it is our responsibility to lessen these impacts on our communities, our nation, and our planet.

Consistent with our commitment to corporate social responsibility, we have joined the U.S. Environmental Protection Agency (EPA) SmartWay Transport Partnership. SmartWay works collaboratively with freight shippers and their carriers, transport providers, and logistics partners to help reduce emissions associated with freight transport. We have committed our company to take a closer look at our freight operations and track and reduce those emissions. We have also committed to encouraging our carrier and logistics partners in the United States and Canada to join this important initiative.

Option 1: SmartWay Registration Required

Carriers and/or logistics providers awarded this contract will be required to be a registered EPA SmartWay Transport Carrier, Logistics, or Multimodal Partner. Carriers and/or logistics providers must submit data to EPA on an annual basis to remain a partner in good standing and will be listed on the EPA SmartWay website as a partner. More information on registering in SmartWay is available at: www.epa.gov/smartway.

Option 2: SmartWay Performance Ranking Factored

Carriers and/or logistics providers that are awarded this contract will be required to be a registered EPA SmartWay Transport Carrier, Logistics, or Multimodal Partner AND listed in performance ranking categories 1, 2, or 3 or "performance ranking category 1 or 2" for grams of CO₂ per ton-mile or grams of CO₂ per mile in the SmartWay Performance Rankings listing at: www.epa.gov/smartway/smartway-carrier-performance-ranking.

Carriers and/or logistics providers must submit data to EPA on an annual basis to remain a partner in good standing and be listed on the EPA SmartWay website. More information on registering for SmartWay is available at: www.epa.gov/smartway/participate-smartway.

Option 3: SmartWay Registration Preferred

Carriers and/or logistics providers that are registered as EPA SmartWay Transport Carrier, Logistics, or Multimodal Partners will be preferred over non-registered firms in awarding this contract. SmartWay registration will be a key factor in contract selection, in addition to pricing, availability, and level of service considerations. Carriers and/or logistics providers must submit data to EPA on an annual basis to

Benefits of Registering as a SmartWay Carrier Partner



There are several benefits to joining SmartWay, including:

- **Credible efficiency tracking and performance benchmarking**
 - EPA's emissions calculating tools provide a comprehensive and industry standard system for tracking, documenting and sharing information about energy and environmental efficiency across supply chains.
- **Identifying operational efficiencies**
 - You can't improve what you don't measure. SmartWay helps carriers track efficiency, compare themselves to their peers and boost their bottom line, driving ongoing strategic improvements year after year.
- **Demonstrated commitment**
 - Clients and customers are making more decisions based on companies' performance on environmental metrics that matter to them. Carrier participation in SmartWay quickly signals that you prioritize fuel savings and environmental efficiency to clients.

 [Become a SmartWay Carrier Partner | US EPA](https://www.epa.gov/smartway/become-smartway-carrier-partner) (www.epa.gov/smartway/become-smartway-carrier-partner)

Sample Resources



The Business Case for Registering as a SmartWay Truck Carrier Partner

Why Partner with SmartWay?

Designed with and for the freight sector, SmartWay delivers solutions to marketplace needs and challenges. With access to the latest in EPA tested technologies and peer-to-peer learning, carriers that join SmartWay can gain a better understanding of their environmental footprint and demonstrate their corporate leadership.

Additionally, SmartWay is an internationally recognized and respected brand that symbolizes cleaner, more efficient transportation choices.

For more information on SmartWay, please visit www.epa.gov/smartway or call 734-214-4767.

WHAT ARE THE BENEFITS OF ENROLLING IN SMARTWAY?

- Gain a Competitive Advantage over Non-SmartWay Partners**
 - SmartWay Shipper Partners routinely seek out SmartWay Carrier Partners—especially those carriers with exceptional performance.
 - Carrier Partners trim costs by employing EPA-tested technologies and advanced operational strategies that reduce fuel consumption.
- Improve Operational Efficiency**
 - Access information on fuel saving technologies and strategies.
 - Tap into SmartWay's knowledge network to learn about cutting-edge technologies and driving techniques to reduce fuel consumption.
 - Tap into EPA's insight and expertise, gained by working with top industry performers, on how your company can become more efficient by boosting its fuel savings potential.
 - Gain access to public events and forums to showcase your company achievements.
 - Accelerate improvements in environmental and energy performance for your industry through collaborative efforts.
- Enhance Company Image**
 - Gain recognition from EPA as a leading environmental steward and distinguish your company from competitors by showcasing the SmartWay logo.
 - Get visibility on the EPA SmartWay website and in other program materials.
 - Compete for the annual SmartWay Excellence Award.
- Gain a Better Understanding of Environmental Performance**
 - Access performance metrics for each segment of your fleet and learn how your company compares with your competition.
 - Analyze the environmental performance of your fleets using SmartWay's innovative benchmarking tools, gaining new insights into your operations.



Enrolling as a Partner is easy and cost free! Register with SmartWay by entering data about your operations into a downloadable tracking and assessment tool and submitting the completed tool to EPA.

Visit www.epa.gov/smartway to learn more.

SmartWay Truck Carrier Application



- 🌿 Located at [Become a SmartWay Carrier Partner | US EPA](#)
- 🌿 The application process is simple. Information is collected, and a SmartWay Partner Account Manager (PAM) follows-up with the carrier.
- 🌿 Basic contact information
- 🌿 MCN, SCAC, DOT
- 🌿 Number of power units (number of tractors in their fleet)

SmartWay Application



Thank you for your interest in becoming a SmartWay Partner.

If you are a Carrier or Logistics Company located in Canada, please fill out and submit a [SmartWay Application](#) that will be sent to Natural Resources Canada.

1. Which State is your company located in?

2. How did your company initially hear about SmartWay?

3. What are the main reasons you decided to register your company in SmartWay? (Select up to three checkboxes)

SmartWay Application



To get started as a SmartWay Carrier Partner, first determine and select your Carrier type.

Carrier Types

All Carriers qualify in one or more of the categories listed below. Each component of your company that matches a Carrier Partner category should submit its own partnership application, if it is not already a SmartWay Partner.

Review the list below and select your Carrier type.

- ☒ **Truck Carrier Partner** - Your company operates and manages or leases its own for-hire or private fleet.
- ☐ **Logistics Company Partner** - Your company contracts out more than 5% of your freight; that is, you company is a 3PL/4PL, a freight broker, freight forwarder, or a non-asset based carrier.
- ☐ **Rail Carrier Partner** - Your company is a commercial Class 1, 2, or 3 rail carrier and you operate and manage your own locomotives and are hired by others to move their freight.
- ☐ **Barge Carrier Partner** - Your company operates and manages or leases its own barge fleet and is hired by others to move their freight.

SmartWay Application



This very short and basic agreement is required to become a SmartWay partner. There are no costs involved. Check the box at the bottom to proceed.

Partnership Agreement

With this annual agreement, your company joins the SmartWay Transport Partnership and commits to:







1. Measure and report to EPA, on an annual basis, the environmental performance of your fleet(s) using the USA SmartWay Tool(s). Existing fleets will report the 12 months of data for the prior year ending December 31
2. Have your company's name and performance results posted on the SmartWay websites/databases.
3. Upon EPA's request, agree to submit supporting documentation to EPA for any data used to complete the Tool, and agree to submit to an audit of this data.

In return, EPA commits to:

1. Promote company participation in the Partnership by posting Partner names on the SmartWay websites and in related educational, promotional, and media materials. EPA will obtain express written consent from the Partner before using the Partner's name, other than in the context of increasing public awareness of its participation as described here.
2. Provide companies with industry-wide performance benchmark data. as the data becomes

Ways to Help your Carriers Drive Improvement



-  [SmartWay Truck Carrier Partner Resources | US EPA](#)
-  [SmartWay Webinar Library](#) (www.epa.gov/smartway/smartway-webinars-events#past)
-  [SmartWay verified Technologies](#) (www.epa.gov/smartway/learn-about-smartway-verified-technologies)
-  [SmartWay designated Tractor and Trailers](#) (www.epa.gov/smartway/learn-about-smartway-tractors-and-trailers)
-  Optimizing fuel economy and operational efficiency is key to improving the performance of a fleet
-  There are a variety of operational strategies and technologies available to help truck carriers improve fuel efficiency and operational performance

SmartWay Truck Carrier Partner Resources | US EPA



Strategies for Efficiency

- [Overview of Carrier Strategies \(pdf\)](#). (182 K, August 2019, EPA-420-F-19-049)
- [Idle Reduction for Truck Carriers and Shippers](#)
- Fact sheets about each strategy:
 - [Automatic Tire Inflation Systems \(pdf\)](#). (289 KB, August 2019, EPA-420-F-19-018)
 - [Driver Training \(pdf\)](#). (197 KB, August 2019, EPA-420-F-19-019)
 - [Hybrid Powertrain Technology \(pdf\)](#). (172 KB, August 2019, EPA-420-F-19-020)
 - [Idle Reduction \(pdf\)](#). (206 KB, August 2019, EPA-420-F-19-021)
 - [Improved Aerodynamics \(pdf\)](#). (179 KB, August 2019, EPA-420-F-19-022)
 - [Improved Freight Logistics \(pdf\)](#). (183 KB, August 2019, EPA-420-F-19-023)
 - [Intermodal Shipping \(pdf\)](#). (193 KB, August 2019, EPA-420-F-19-024)
 - [Longer Combination Vehicles \(pdf\)](#). (179 KB, August 2019, EPA-420-F-19-025)
 - [Low Rolling Resistance Tires \(pdf\)](#). (140 KB, August 2019, EPA-420-F-19-026)
 - [Low Viscosity Lubricants \(pdf\)](#). (175 KB, August 2019, EPA-420-F-19-027)
 - [Maintaining Proper Tire Inflation Pressure \(pdf\)](#). (181 KB, August 2019, EPA-420-F-19-028)
 - [Reducing Highway Speed \(pdf\)](#). (153 KB, August 2019, EPA-420-F-19-029)
 - [Weight Reduction \(pdf\)](#). (175 KB, August 2019, EPA-420-F-19-030)

Idle Reduction

A Glance at Clean Freight Strategies

ENERGY & FUEL SAVINGS

1600
Idle Hours

Gallons Saved:
960 gallons

CO₂ Savings:
9.8 metric tons

Fuel Cost Savings:
\$2,790

Reducing unnecessary truck idling can save fuel, reduce greenhouse gas emissions, cut air pollution, and save money. A typical long-haul combination truck that minimizes unnecessary idling could save over 900 gallons of fuel each year. Doing this much fuel annually would effectively remove 9 metric tons of carbon dioxide, reduce nitrogen oxide and particulate matter emissions, save \$2,790 in fuel costs, and lower engine maintenance costs for the truck.

WHAT IS THE CHALLENGE?

Many long-haul truck drivers idle their engines during rest periods to:

- Provide heat or air conditioning for the sleeper compartment.
- Keep the engine warm during cold weather to avoid trouble with cold starts.
- Generate electrical power for appliances.

Studies by EPA and others suggest that long-haul combination trucks often idle overnight between 5 and 8 hours per day, over 200 days per year. Typical combination trucks consume about 0.8 gallons of diesel fuel during each hour of idling, using between 350 and 600 gallons of fuel each year per truck.

Today's diesel engines do not need to idle for long periods of time before and after driving. Using a heavy-duty truck engine to power cab amenities is inefficient. It consumes fuel unnecessarily, increases fuel costs, and generates emissions that contribute to climate change and air pollution. Unnecessary engine idling also contributes to engine wear, which increases truck maintenance costs and shortens engine life.

1000
Idle Hours

Gallons Saved:
600 gallons

CO₂ Savings:
6.1 metric tons

Fuel Cost Savings:
\$1,745

WHAT IS THE SOLUTION?

Several technological options can assist drivers in reducing truck idling:

- **Auxiliary Power Units (APUs)** are mounted externally on the truck cab. An APU typically consists of a small combustion engine and generator combination that can provide power to the truck when the main engine is shut off. Electricity from an APU can be used to power heating, air conditioning, and electrical accessories for the cab and sleeper.
- **Automatic Engine Shutdown Systems** start and stop the truck engine automatically to maintain a specified cab temperature or to maintain minimum battery charge. Drivers typically activate the system in the evening and program a desired temperature range. Drivers can also program the system to shutdown after a specified period of idling time.
- **Direct-Fired Heaters** are small, lightweight, and efficient fuel-fired devices mounted in the cab of a truck. The direct-fired heater provides heat for driver comfort in the cab. This technology does not include any air conditioning capabilities.

EPA-420-F-19-021 | August 2019 | SmartWay Transport Partnership | [epa.gov/smartway](#) | 08182019

Idle Reduction: A Glance at Clean Freight Strategies

600
Idle Hours

Gallons Saved:
360 gallons

CO₂ Savings:
3.7 metric tons

Fuel Cost Savings:
\$1,050

Truck Stop Electrification allows trucks to use electrical power from an external source. At properly equipped locations, drivers can shut off the main truck engine and plug into an electrical outlet that provides power for heaters, air conditioning, marker lights, and other accessories. Trucks need to be equipped with the appropriate internal wiring, inverter system, and FMCSA system to take advantage of truck stop electrification.

Advanced Truck Stop Electrification also provides electricity from an external source that doesn't require the truck to be equipped with special systems. Truck parking lots are installed with equipment that provides the cab with electrical power, heating, cooling, and other amenities, like telecommunication hook-ups, through an external conduit that fits into the truck's window frame. The truck-side console has temperature controls, an air supply and return pipe, a credit card reader, keypad, and a low-voltage AC outlet.

SAVINGS AND BENEFITS

The amount of idling varies widely among trucks by season, type of operation, and driver practices. A typical long-haul combination truck can idle between 600 and 1,000 hours per year, which would use about 360 and 600 gallons of fuel, respectively. Saving fuel annually through idle reduction by installing an APU would remove about 360 to 600 gallons of carbon dioxide, reduce nitrogen oxide and particulate matter emissions, save between \$1,050 and \$1,745 in fuel costs, and lower engine maintenance costs. A short-haul truck can save 360 gallons per year, saving \$1,050 when using an idle reduction technology. Truck stop electrification can potentially eliminate all engine idling. However, because the systems can be used only at locations outfitted with appropriate equipment, not all the potential savings can be obtained immediately.

NEXT STEPS

1. Truck fleets can examine engine-operating records to determine the percent of time spent idling to determine potential fuel and cost-saving benefits.
2. Truck fleets can determine the idle reduction method that best fits their fleets.
3. Truck fleets can also check the availability of truck stop electrification facilities along frequent routes.

Please visit the SmartWay website at www.epa.gov/smartway to access more tech bulletins.

Educational Content



Case studies

Webinars

Workshops

Information
exchange

Technical
Bulletins



Idle Reduction for Shippers A Glance at Clean Freight Strategies

Take 25 trucks
idling 2 hours
per day

=

50 idle hours

=

50 idle hours

=

40 gallons for diesel

At \$3.85¹ per gallon
=\$154 per day

At 300 days per year
=

Projected savings of
\$46,200

"No idling" policies and practices can improve air quality in and around your facilities and docks, save fuel, and reduce your supply chain's carbon footprint.

What is the Challenge?

Drivers waiting to load or unload at a shipper's facility tend to let their engines idle for one of several reasons:²

- For comfort—to power a heater or air conditioning unit.
- To generate electricity for on-board appliances, electronics, and auxiliary equipment.
- In extreme cold, to prevent fuel from gelling and the engine block from freezing.
- Due to the outdated thinking that idling is good for the engine.
- Out of habit.

Excessive idling is an inefficient and expensive use of diesel fuel and largely preventable source of emissions. On average, an idling diesel engine will consume 0.8 gallons of fuel per hour and emit more than 18 pounds of CO₂³ in addition to other pollutants such as fine particulates, increasing the health risks for dockworkers and others at your facility.⁴

What is the Solution?

You may not have direct control over driver behavior but you can influence it while a driver and truck are at your facility. Here's what you can do to reduce or eliminate idling on your premises:

- Institute a "no idling" policy with clear signage. Explain it both to drivers and their managers, communicating in detail the rules that must be followed.
- Offer preferential loading and unloading times and docks to fleets with no-idling policies.
- Establish climate-controlled "comfort stations" at your facility where drivers can wait.
- Encourage and incentivize the use of SmartWay-verified idle-reduction devices: Auxiliary Power Units (APUs) and gen-sets; direct-fired heaters; and automatic engine shut-down and start-up systems.
- Train supervisors and others with authority (including security personnel) how to tactfully approach and discuss your no-idling policy with drivers, emphasizing potential cost savings and reduced engine wear.

As a shipper, you have direct control over the amount of time drivers have to wait at your facility to load or unload (a.k.a. detention time). By reducing detention time, you can reduce the need for idling. Several factors contribute to excessive detention time, including:⁵

- Limitations at facilities, including the inability to drop-and-hook and insufficient loading equipment or staff. These limitations can be exacerbated when facilities over-book appointments and

EPA U.S. Environmental Protection Agency

Learn the Issues | Science & Technology | Laws & Regulations | About EPA

SmartWay

You are here: EPA Home > SmartWay > The SmartWay Freight Matters! Webinar Series

The SmartWay Freight Matters! Webinar Series

SmartWay is orchestrating a new webinar series where we will discuss freight sustainability, why it matters to the economy and the environment, as well as how your company, your organization or you as an individual can make a difference. The U.S. EPA invites you to join us and become a part of this conversation. Hope to see you online in the discussions where **Freight Matters!**

Upcoming Freight Matters! Webinars
Global Green Freight Action

SmartWay Transport Partnership
U.S. Environmental Protection Agency

Stanley Black & Decker Uses SmartWay Tools to Reduce Freight Footprint

Company Profile
Kimberly-Clark

Kimberly-Clark Corporation is a global health and hygiene leader serving 13 billion consumers in more than 90 countries for such global brands as Huggies, Kleenex, Scott, Kotex, Pampers and Depend. In the U.S., Kimberly-Clark contracts with a fleet of roughly 100 carriers including the "Corps," a group of seven large truck carriers that move about 80 percent of the company's product by volume via intermodal over the road, IFL and pack-go truckloads.

Company Profile
Stanley Black & Decker is a diversified global provider of hand tools, power tools and related accessories, mechanical access solutions and electronic security solutions, healthcare solutions, engineered fastening systems, and more. Learn more at www.stanleyblackanddecker.com.

Partner Profile
Stanley Black & Decker Uses SmartWay Tools to Reduce Freight Footprint

Why Stanley Black & Decker Joined SmartWay
"Our success in measuring, and then sharing, energy demand and resultant Scope 1 and Scope 2 emissions associated with our brick-and-mortar operations has allowed us to apply the same productivity lens to reducing Scope 3 tailpipe emissions from vehicles that transport our finished goods and our employees. Our SmartWay Transport Partnership is the most well established of our Scope 3 emissions reduction initiatives and has stimulated parallel efforts around the globe."

Deborah Patterson, Vice President of Environment, Health, and Safety, Stanley Black & Decker

2010			2011		
MODE	E-FACTOR (CO ₂ G/M)	CO ₂ (CO ₂ TONS/YR)	MODE	E-FACTOR (CO ₂ G/M)	CO ₂ (CO ₂ TONS/YR)
Truck	1946	596,720	Truck	1730	493,038
Multimodal	1623	45,212	Multimodal	1706	20,477
Logistics	1948	19,480	Logistics	2007	16,074
TOTAL		661,412	TOTAL		529,589

Contact:
Deborah Patterson
Vice President
Environment, Health, and Safety
Stanley Black & Decker
1000 Stanley Drive
New Britain, CT 06053
T 860.827.3825
F 860.515.2755

TOWARD GREENER SUPPLY CHAINS

A CRITICAL ASSESSMENT OF A MULTIMODAL, MULTINATIONAL FREIGHT SUPPLY CHAIN OF A FORTUNE 50 RETAILER

CRISTIANO ENÇARRA, ULISES HERNANDEZ, KIRILL MAO, AND LETICIA PINEDA

icct
THE INSTITUTE OF CLEAN TRANSPORTATION

SmartWay
U.S. Environmental Protection Agency

BEIJING | BERLIN | SAN FRANCISCO | WASHINGTON

Important Web Page Links



 www.epa.gov/smartway/become-smartway-carrier-partner

 www.epa.gov/smartway/smartway-truck-carrier-partner-resources

 www.epa.gov/smartway/smartway-truck-carrier-partner-resources#improve



www.epa.gov/smartway

smartway_transport@epa.gov

SmartWay Helpline

734-214-4767